

No.

8200071



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Coker's Pedigreed Seed Co.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF **LAW** IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE **PLANT VARIETY PROTECTION OFFICE**, IN THE **APPLICANT(S)** INDICATED IN THE SAID COPY, AND **WHEREAS**. UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE **LAW**.

NOW, THEREFORE, THIS **CERTIFICATE** OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF eighteen YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY **LAW**, THE RIGHT TO **EXCLUDE** OTHERS FROM SELLING THE **VARIETY**, OR OFFERING IT FOR SALE, OR REPRODUCING IT, **IMPORTING** IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT **PROVIDED BY THE PLANT VARIETY PROTECTION ACT**. **UNITED STATES** SEED OF THIS **VARIETY** (1) SHALL BE SOLD BY VARIETY NAME ONLY AS **OF CERTIFIED SEED** AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS **BY THE OWNER OF THE RIGHTS**. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

'Coker 4360'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this 30th day of December in the year of our Lord one thousand nine hundred and eighty-two

John R. Block
Secretary of Agriculture

Alfred
Kenneth H. Egan
Acting
Commissioner
Plant Variety Protection
Grain Division
Agricultural Marketing Service



UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION

FORM APPROVED
OMB NO. 40-R3822

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See *Reverse*.

No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).

1a. TEMPORARY DESIGNATION OF VARIETY COKER 4360		1b. VARIETY NAME COKER 4360		FOR OFFICIAL USE ONLY PV NUMBER 8200071	
2. KIND NAME Cotton		3. GENUS AND SPECIES NAME Gossypium hirsutum		FILING DATE 2/22/82	TIME A.M. 12:30 P.M.
4. FAMILY NAME (BOTANICAL) Malvaceae		5. DATE OF DETERMINATION April 1980		FEE RECEIVED \$ 500.00 \$ 250.00	DATE 2/22/82 12/17/82
6. NAME OF APPLICANT(S) Coker's Pedigreed Seed Co.		7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) Rt. 1, Box 152 Lubbock, TX 79401		8. TELEPHONE AREA CODE AND NUMBER (806) 762-0832	
9. IF THE NAMED APPLICANT IS NOT A F W O N, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) Corporation		10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION South Carolina		11. DATE OF INCORPORATION June 12, 1918	
12. NAME AND MAILING ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS: Lynn McDonald Coker's Pedigreed Seed Company Plant Breeder Rt. 1, Box 152, Lubbock, TX 79401					

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- ☒ 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)
- ☒ 13B. Exhibit B, Novelty Statement.
- ☒ 13C. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)
- ☐ 13D. Exhibit D, Additional Description of the Variety,

14a. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEE D7 (See Section 83(a). (If "Yes," answer 14B and 14C below.) ☒ YES ☐ NO

14b. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? ☒ YES ☐ NO

14c. IF "YES," TO 14B, HOW MANY GENERATIONS OF PRODUCTION BEYOND BREEDER SEED? ☐ FOUNDATION ☐ REGISTERED ☒ CERTIFIED **1 year**

15a. DID THE APPLICANT(S) FILE FOR PROTECTION OF THIS VARIETY IN OTHER COUNTRIES? ☐ YES ☒ NO (If "Yes," give name of countries and dates.)

15b. HAVE RIGHTS BEEN GRANTED THIS VARIETY IN OTHER COUNTRIES? ☐ YES ☒ NO (If "Yes," give name of countries and dates.)

16. DOES THE APPLICANT(S) AGREE TO THE PUBLICATION OF HIS/HER (THEIR) NAME(S) AND ADDRESS IN THE OFFICIAL JOURNAL? ☒ YES ☐ NO

17. The applicant(s) declare(s) that a viable sample of basic seed of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

2-16-82
(DATE)

Lynn D. McDonald
(SIGNATURE OF APPLICANT)

Lynn D. McDonald, Plant Breeder'

(DATE)

(SIGNATURE OF APPLICANT)

INSTRUCTIONS

GENERAL: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

- 5 Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- 13a Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of **selection** and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how **these** variants may be identified and (4) evidence of uniformity and stability,
- 13b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties: (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- 1 3 c Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.
- 13d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as, plant habit, plant color, disease resistance, etc.
- 14a If "YES" is specified (seed of this variety be **so**ld by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety **has either** been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "NO," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)
- 15a See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.



A 9917 11/22/82

EXHIBIT ~~B~~, ORIGIN AND BREEDING HISTORY OF COTTON VARIETY - COKER 4360.

<u>Stage</u>	<u>Year</u>	<u>Breeding Procedures</u>
1	1970	Coker Cross No. 7086: Coker 310 x Paymaster 111.
2	1970-71	Winter germination increase, Iguala, Mexico, produced F2 seed.
3	1971-73	Pedigree selection in the F3 population and subsequent plant to row progenies with alternate plantings in Lubbock and Iguala, Mexico.
4	1974	Experimental strains C-L74-363, C-L74-364, and C-L74-365 were selected and composited to form a line designated as C-4360.
5	1974-77	C-4360 evaluated in Coker replicated trials and disease screening nurseries at Lubbock. Appropriate seed increases grown on Coker Farm at Lubbock, Texas.
6	1978-79	Continued replicated trial testing and statewide evaluation.
7	1980	Breeder seed produced at Pecos, Texas. All maintenance and evaluation stages continued for future production of appropriate classes of seed.
8	1981	Appropriate quantities of foundation seed produced for sale as C-4360. Variety maintenance and seed production efforts continuing.

Variants: Variants in Coker 4360 have been observed to occur at the rate of approximately 1 per 10,000 plants. These variants are distinguishable only by their fruiting placement - that being much closer fruiting than the normal population.

A 9917 11/22/82

EXHIBIT ~~B~~.
 Coker 4360 Cotton Variety
 Coker's Pedigreed Seed Company
 August 24, 1982

EXHIBIT B, NOVELTY STATEMENT OF COTTON VARIETY - COKER 4360.

Novelty of Coker 4360 is based on the following unique characteristic(s):

Coker 4360 most closely resembles Coker 312 except that it is characterised by a significant reduction in fiber length and a slight increase in micronaire.

EXHIBIT B.

Application for Plant Variety Protection

Coker 4360 Cotton Variety

Coker's Pedigreed Seed Company

February 16, 1982

COKER'S PEDIGREED SEED COMPANY

LUBBOCK, TEXAS

COTTON DIVISION

**SUPPLEMENTAL TO EXHIBIT B
NOVELTY, COTTON VARIETY,
COKER 4360**

LINT YIELDS AND GIN TURNOUT, 2 COKER COTTONS, LUBBOCK, TEXAS 5 YEARS

VARIETY	Lint Yields: lbs/A					Average 5-Years
	1977	1978	1979	1980	1981	
	Z-Tests	4-Tests	4-Tests	3-Tests	1-Test	
Coker 312	764	617	334	599	457	554
Coker 4360	879	690	433	592	437	606

VARIETY	Fiber Properties (5-Yrs. Texas)			
	G i n	Fibrograph	Micro-	Pressley
	Turnout %	2.5% S.L.	naire Units	Zero Guage Mps. i .
Coker 312	22.3	1.11	3.54	84.8
Coker 4360	22.5	1.00	3.66	83.2

620071

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782OBJECTIVE DESCRIPTION OF VARIETY
COTTON (GOSSYPIMUM SPP.)

INSTRUCTIONS: See Reverse.

NAME OF APPLICANT(S)

COKER'S PEDIGREED SEED COMPANY

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)

Rt. 1, Box 152
Lubbock, Texas 79401

FOR OFFICIAL USE ONLY

PVPO NUMBER

8200071

VARIETY NAME OR TEMPORARY
DESIGNATION

Coker 4360 9/14/82

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e&8- 0 8 9 or 0 9) when number is either 99 or less or 9 or less-

1. SPECIES:

☐

1 = GOSSYPIMUM HIRSUTUM

2 = GOSSYPIMUM BARBADENSE

2. AREA(S) OF ADAPTION (0 = Not Tested, 1 = Nat Adapted, 2 = Adapted)

☐

EASTERN

☐

DELTA

☒

CENTRAL

☒

HIGH PLAINS

☐

EL PASO AREA

☐

WESTERN LOW HOT VALLEYS

a

SAN JOAQUIN

c

OTHER (Specify)

3. MATURITY (50% Open Boll):

Mature for class = medium

99 1/2 3 1/9 1/82

☐

NO. OF DAYS EARLIER THAN

☐

1 = COKER 310

2 = DELTAPINE 16

3 = STONEVILLE 212

☒

NO. OF DAYS LATER THAN

☒

4 = PAYMASTER 111

5 = ACALA 1517-70

6 = ACALA SJ-1

7 = LANKART 57

8 = OTHER (Specify) Coker 312

4. PLANT HABIT:

☒

1 = SPREADING

2 = INTERMEDIATE

3 = COMPACT

☒

1 = FOLIAGE SPARSE

2 = DENSE

3 = OTHER (Specify) Med. dense

5. PLANT HEIGHT:

stem pubescent = Pubescent 8/19/82

☐

CM. SHORTER THAN

☐

1 = COKER 310

2 = DELTAPINE 16

3 = STONEVILLE 212

☒

CM. TALLER THAN

☒

4 = PAYMASTER 111

5 = ACALA 1517-70

6 = ACALA SJ-1

7 = LANKART 57

8 = OTHER (Specify)

6. MAIN STEM:

☒

1 = LAX

2 = ASCENDING

3 = ERRECT

CM. TO FIRST

c

FRUITING BRANCH

☐NO. OF NODES TO FIRST FRUITING BRANCH
(from cotyledonary node)

7. LEAF:

☐CU. WIDTH OF
WIDEST LEAVES
AT MATURITY☐

8. LEAF PUBESCENCE:

1 = GLABROUS (HAIRS AS SPARSE AS D₂ SMOOTH)

2 = SMOOTH LEAF (DELTAPINE SMOOTH LEAF)

3 = PUBESCENT (STONEVILLE 212)

4 = HEAVY PUBESCENCE (H₁ OR H₂)

5 = OTHER (Specify)

9. LEAF COLOR:

☒

1 = VIRESCENT YELLOW

2 = LIGHT GREEN

3 = DARK GREEN (Acala-442)

4 = RED

5 = OTHER (Specify)

10. LEAF TYPE:

☒

1 = NORMAL

2 = OKRA

3 = SUPER OKRA

4 = OTHER (Specify)

11. FLOWER:

☒

1 = NECTARILESS

2 = NECTARIED

☒

Petals: 1 = CREAM 2 = YELLOW

☒

Pollen: 1 = CREAM

2 = YELLOW

12. FRUITING BRANCH TYPE:

☒

1 = CLUSTER 2 = SHORT

3 = NORMAL

☒

1 = DETERMINATE

2 = INDETERMINATE

3 = Intermediate

13. GOSSYPOL CONDITION:

☒

1 = GLANDLESS

2 = REDUCED GLANDS

3 = NORMAL GLANDS

☐

1 = NORMAL BUD GOSSYPOL

4 = OTHER (Specify)

2 = HIGH BUD GOSSYPOL

14. SEEDS:

☐

0 1 1

☐

0 5

SEED INDEX

(Fuzzy seed basis)

☒

Seed Fuzz:

1 = SPARSE (GREGG 35)

2 = MODERATE (DPL-16)

3 = HEAVY (ACALA SJ-1)

4 = OTHER (Specify)

14. DISEASES (Continued): (0 = not tested, 1 = susceptible, 2 = resistant)

☐ Rhizoctonia solani

E t : Southwestern Cotton Rust

☐ Anthracnose

☐ Thielaviopsis basicola

☐ Pythium (specify species) _____

☐ Diplodia Boll Rot

☐ Reniform Nematode

☐ Other (specify) _____

☐  macrospora

☐ Other (specify) _____

16. INSECTS: (0 = not tested, 1 = susceptible, 2 = resistant)

☐ Boll Weevil

☐ Thrip

☐ Aphid

☐ Cutworm

☐ Fleahopper

☐ Alabama argillacea (Leaf Worm)

☐ Fall Armyworm

☐ Spider Mite

☐ Grasshopper

☐ Heliothis zea (Bollworm)

☐ Lygus

☐ Heliothis virescens (Tobacco bud worm)

☐ Pink Bollworm

☐ Other (specify) _____

☐ Stink Bug

☐ Other (specify) _____

16. GIVE VARIETY THAT MOST CLOSELY RESEMBLES THE SUBMITTED VARIETY FOR EACH OF THE FOLLOWING CHARACTERISTICS:
(Indicate degree of resemblance (D.R.) with one of the following numbers: 1 = Submitted variety is less than, lighter, or inferior to similar variety, 2 = Same as, 3 = More than, darker, or superior, etc. Use comparison varieties or other more appropriate varieties.)

CHARACTER	SIMILAR VARIETY	D.R.	CHARACTER	SIMILAR VARIETY	D.R.
Leaf Pubescence	Coker 312	2	1000 PSI	Coker 312	1
Seed Index	Coker 312	3	Stelometer (T ₁)	N/A	
Lint Index	N/A		Elongation (E ₁)	N/A	
Yarn Tenacity	N/A		Micronaire	Coker 312	3
Verticillium Wilt Resistance	Coker 312	2	Fusarium Wilt Resistance	Coker 312	2

17. COMMENTS: (Present information which cannot be adequately described in 1 to 16 that significantly distinguishes your variety such as comparative disease reactions, other expressions of maturity.)

TRANSFER OF OWNERSHIP

In consideration of the sale of the Lubbock Cotton Research Station to Seedco Corporation, Coker's Pedigreed seed Company does hereby convey to Seedco Corporation, free from all encumbrances, ownership of the following protected varieties:

<u>Cotton Varieties</u>		
<u>Variety Name</u>	<u>Plant Variety Certificate No.</u>	<u>Issue Date</u>
Coker 312	7200100	July 26, 1974
Coker 500	8300078	August 31, 1983
Coker 4360	8200071	December 30, 1982
Coker 5110	7200101	June 28, 1974

COKER'S PEDIGREED SEED COMPANY

By: E. Joe Dahmer
E. Joe Dahmer, President
Date: 9/29/84

Sworn and subscribed to before me
this 24 day of September, 1984.

Mary M. Cooley
Notary Public for South Carolina

My Commission Expires August 25, 1991

FORM GR-470-8 (REVERSE)

15. BOLLS:

Locules: = 3-4 = 4-5 NO. SEEDS PER BOLL LINT PERCENT MM. DIAMETER
 Pitted: = NONE = FINELY = COARSELY GRAMS SEED PER BOLL Breadth: = BROADER AT BASE = BROADER AT MIDDLE
 Type: = STORMPROOF (WESTBURN 70) = STORM RESISTANT (LANKART 57) = OPEN (DELTAPINE 16) Shape: = LENGTH < WIDTH = LENGTH = WIDTH = LENGTH > WIDTH

16. BRACTEOLAS:

Breadth: = LENGTH < WIDTH = LENGTH = WIDTH = LENGTH > WIDTH
 Teeth: = FINE = COURSE Teeth: = 3-4 = 5-7 = 8-10 = OTHER (Specify) _____

If. YIELD: Compared to—

PERCENT LESS THAN } = COKER 310 = DELTAPINE 16 = STONEVILLE 213
 PERCENT MORE THAN } = PAYMASTER 11 I = ACALA 1517-70
 = ACALA SJ-1 = LANKART 67

18. FIBER LENGTH (Complete one or more of the following and give the means):

SPAN LENGTH 50% SPAN LENGTH 2.5% U.H.M. LENGTH
 MEAN LENGTH STAPLE LENGTH 32nd INCHES
 UNIFORMITY INDEX (50% SPAN/2.5% SPAN)

19. FIBER STRENGTH AND ELONGATION:

1,000 P.S.I. ELONGATION E₁ STILOMETER T₀
 MICRONAIRE READING YARN STRENGTH (Give test method) STILOMETER T₁

20. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

☒ VERTICILLIUM WILT ☒ FUSARIUM WILT ☒ ROOT KNOT NEMATODE ☒ BACTERIAL BLIGHT (Race 1)
☒ BACTERIAL BLIGHT (Race 2) ☒ ASCOCHYTA BLIGHT PHYMATOTRICHUM ROOT ROT RHIZOCTONIA
 ANTHRACNOSE RUST OTHER (Specify) _____

21. INSECT: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

BOLL WEEVIL APHID FLEAHOPPER LEAFWORM
 FALL ARMYWORM GRASSHOPPER LYQUS PINK BOLLWORM
 STINKBUG THRIP CUTWORM SPIDERMITTE
 OTHER (Specify) _____

REFERENCES: The following publications may be used as a reference aid for the standardization of terms and procedures for completing this form:

(1) Brown, Harry B., and J. O. Ware. 1958, Cotton, McGraw-Hill Book Company, Inc., New York.

(2) Lewis, C. F., and H. H. Ramey, Jr., 1971, 1970 Regional Cotton Variety Tests, ARS 34-130, United States Department of Agriculture.

COLORS: Nickerson's or any recognized color fan may be used to determine flower color of the described variety.